

10-10-12

PERCENTS

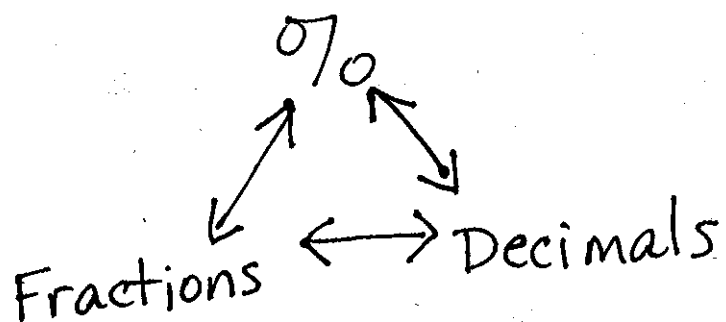
%

Percent - means out of 100

So 25% means 25 out of 100
which = .25 and $\frac{1}{4}$ ($\frac{25}{100}$)

16% means 16 out of 100
which = 0.16 and $\frac{16}{100} = \frac{4}{25}$

150% means 150 out of 100
which = 1.5 and $1\frac{1}{2}$



% \leftrightarrow Decimals

"DIP"

Decimals Into Percents

DIP \rightarrow Move dec. pt. 2 to the Right

Ex: $9.67 = 967\%$

$25.7 = 2570\%$

$0.67 = 67\%$

$0.675 = 67.5\% \approx 68\%$

% \rightarrow Decimal ("PID")

Move dec. pt. left 2 places

Ex: $24\% = 0.24$

$85\% = 0.85$

$2\% = 0.02$

Fractions \leftrightarrow %

% \rightarrow Fractions

** Denominator will be 100
Numerator will be the % #

** Simplify

Ex: $240\% = \frac{240}{100} = 2 \frac{40}{100} = 2 \frac{2}{5}$

Fractions \rightarrow %

** 1st change fraction to decimal
(divide top # by bottom #)

Then "DIP"

Ex: $\frac{1}{2} = 2 \overline{) 0.5} = 50\%$

$$\begin{array}{r} 0.5 \\ 2 \overline{) 1.0} \\ \underline{-10} \\ 0 \end{array}$$